



Session Title	[ThE3] Electronic Properties and Application II
Date / Time	July 5 (Thu.), 2018 / 15:55-17:30
Room	Room E (#110)
Session Chair	TBA

ThE3-O1

15:55-16:10

Observation of The Mesoscopic 2D Charge Transport in The “Metallic” PEDOT:PSS Films by High-Field Magnetoconductance and Synchrotron X-ray Scattering Measurements

Keisuke Itoh¹, Yuta Honma¹, Hiroyasu Masunaga², Satoshi Iguchi¹, and Takahiko Sasaki¹
¹*Inst. for Materials research, Tohoku Univ., Japan*, ²*JASRI SPring-8, Japan*

ThE3-O2

16:10-16:25

Determination of The Charge Injection Barrier at Organic Semiconductor/Metal Interface Using Accumulated Charge Measurement

Hiroyuki Tajima, Tomofumi Kadoya, and Jun-ichi Yamada
Univ. of Hyogo, Japan

ThE3-O3

16:25-16:40

Transparent Conducting Electrodes for Organic Optoelectronics from Solution Processing

Antonio Gaetano Ricciardulli¹, Sheng Yang², Gert-Jan Wetzelaer¹, Xinliang Feng², and Paul Blom¹
¹*Max-Planck-Inst. für Polymerforschung, Germany*, ²*Technische Univ. Dresden, Germany*

ThE3-O4

16:40-16:55

Understanding Morphology-Mobility Dependence in PEDOT:Tos. A Multi-Scale Approach

Igor Zozoulenko¹, Nicolas Rolland¹, Juan Felipe Franco-Gonzalez¹, Riccardo Volpi², and Mathieu Linares³
¹*Linköping Univ., Sweden*, ²*Romanian Inst. of Science and Tech., Rumania*, ³*Royal Inst. of Tech., Sweden*

ThE3-O5

16:55-17:10

A Theoretical Study of Electrochemical and Electrochromic Properties of Novel Viologen Derivatives: Effects of Donors and π -Conjugation Length

Wan-Ru Shie
Nat'l Taiwan Univ. of Science and Tech., Taiwan

ThE3-O6

17:10-17:25

New Routes to Tuneable and Functional Organic Nanowires

FJ Faul Charl
Univ. of Bristol, UK